GX - Fischer Panda generators

Fischer Panda generator can be connected to a GX Device, which makes it possible to monitor & operate the generator as well as automatically start and stop it.

The generator needs to be connected to the VE.Can port of the GX Device, which requires a Fischer Panda SAE J1939 module.

Requirements

- GX Device, with firmware v2.07 or later
- Fischer Panda generator, xControl or iGenerator
- Fischer Panda SAE J1939 CAN module (part number 0006107)
- Fischer Panda FP-Bus to VE.Can adapter (part number 0023441)

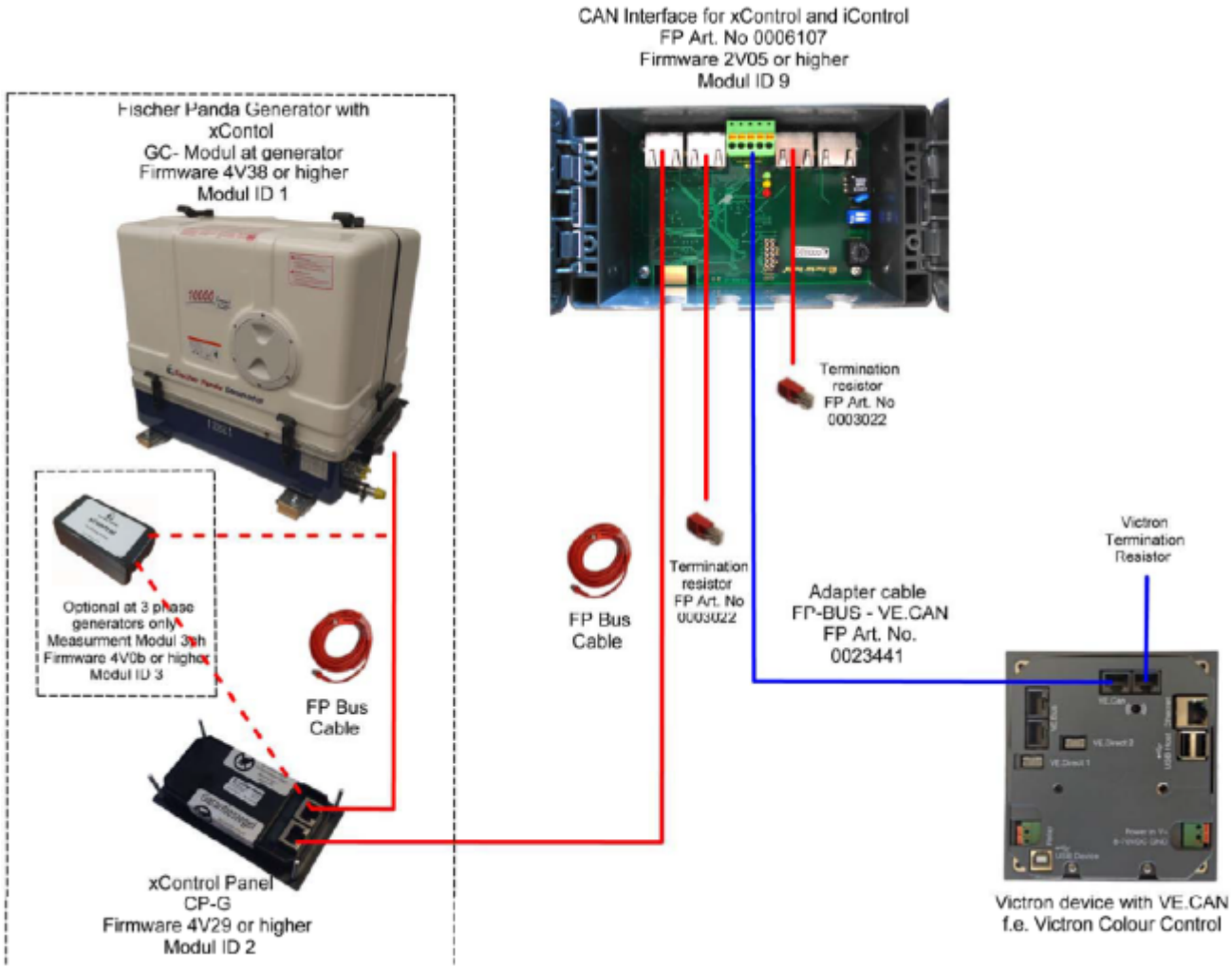
Fischer Panda Firmware requirements:

- iControl (for the iGenerator): v2.17 minimum
- iControl panel: no minimum requirement
- xControl (for the constant speed generators): 4V38 minimum
- xContr panel: 4V29
- Fischer Panda SAE J1939 CAN module: 2V05
- Fischer Panda three phase module: 4V0b

Connecting

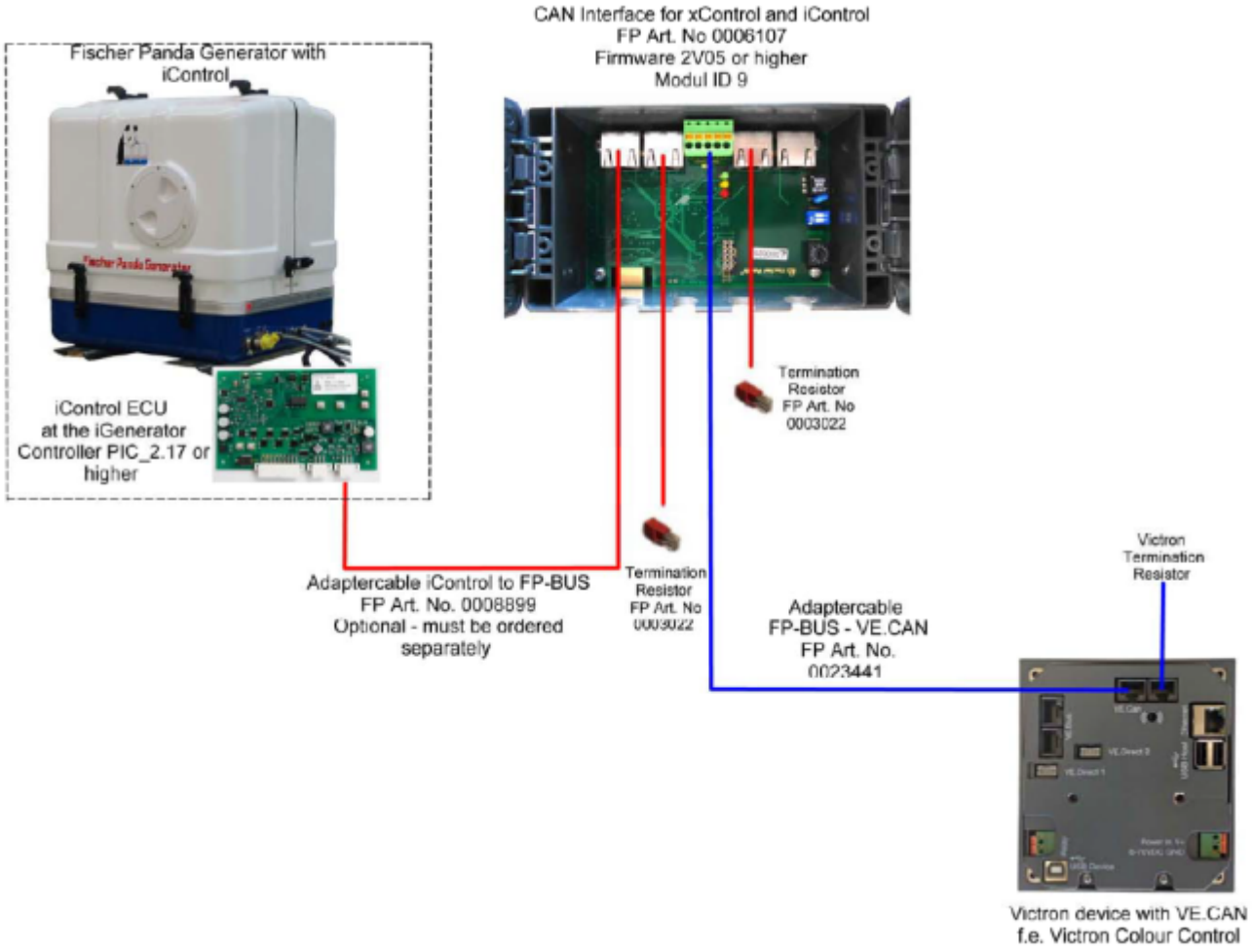
xControl

The schematic below shows how to connect a Fischer Panda xControl generator.



iControl

The schematic below shows how to connect a Fischer Panda iControl generator.

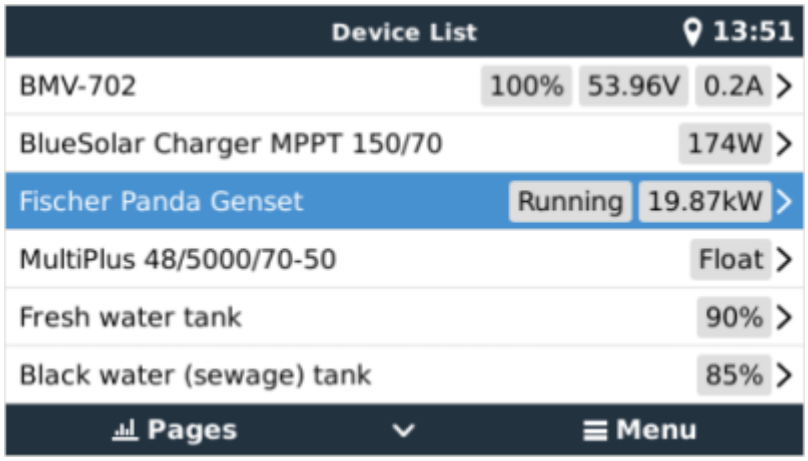


**⚠ Important: Operation of the generator is only possible and allowed when the xControl or the iControl panel is switched on. **

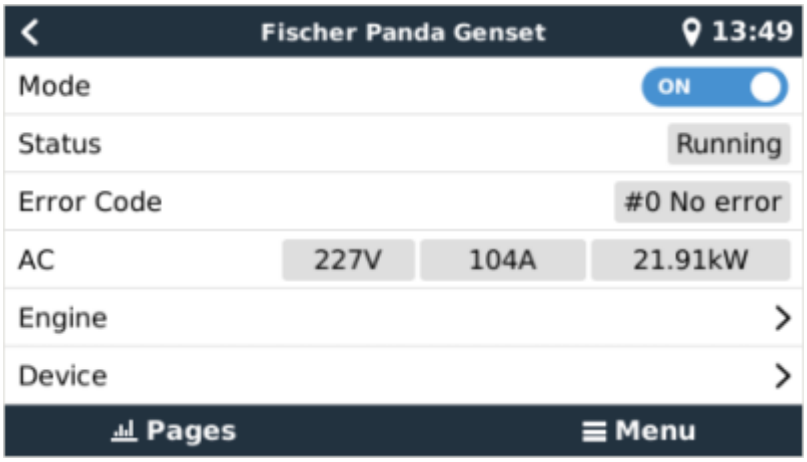
GX Device

In Settings → Services, the selected canbus profile must be one that says NMEA2000. (The default).

When all wiring is complete and the setup has been correctly carried-out, the Fischer Panda will show up in the device list:

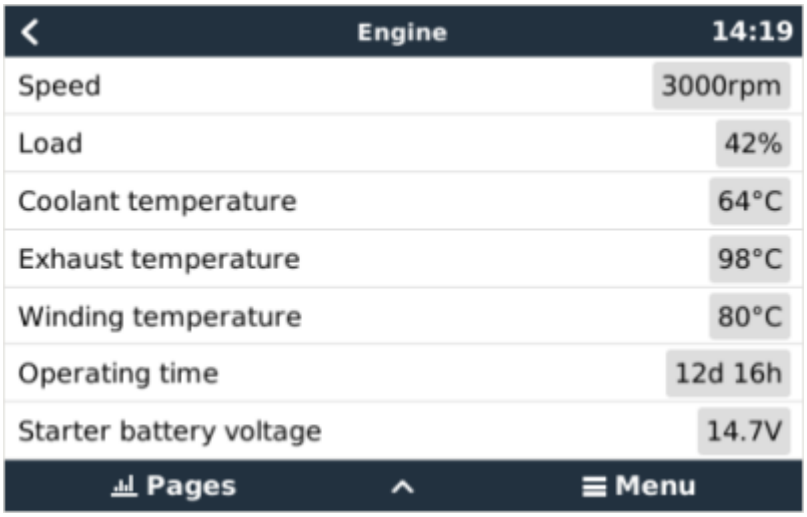


Entering the Fischer Panda device on the menu reveals a page like this:



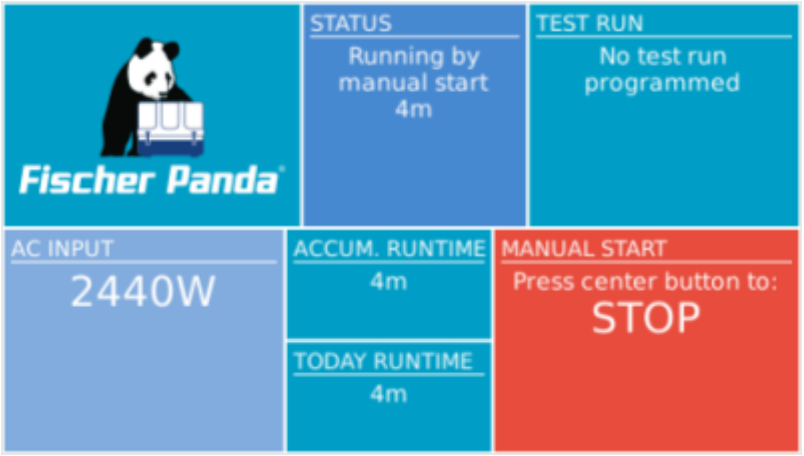
Notice that it features an on/off switch as well as displaying status information, and the main AC parameters: voltage, current and power.

Engine temperature, RPM and additional information are all available by entering the *Engine* sub menu item.



Generator start/stop

In addition to the manual start/stop and monitoring, there is also an automatic start/stop feature. This has the same comprehensive range of options as the Generator start/stop feature associated with the GX relay. See generator_start_stop for the manual.



Maintenance

Whenever performing maintenance on the generator, be sure to *stop* the generator from the Fischer Panda control panel. This will disable the Fischer Panda autostart feature, and ensures that the generator cannot be remotely started - by a CCGX, for example.

When the maintenance is completed, make sure you enable the autostart feature again. You can do this on the Fischer Panda control panel in the menu `generator → autostart → turn on / off`.

MFD App

The Marine MFD HTML5 app (more information here) also contains an element which allows monitoring as well as control of the Fischer Panda generator:



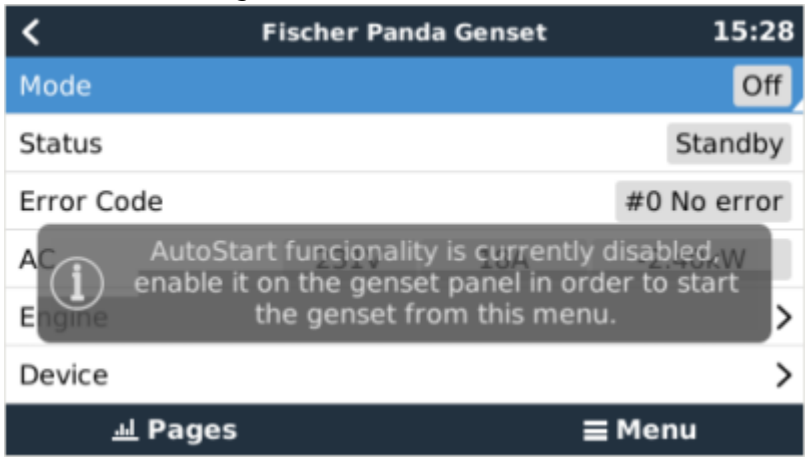
Troubleshooting

I've set the mode of the genset to 'On' or 'Auto start/stop' but the generator is not starting/running.

Make sure the Fischer Panda autostart feature is on, this allows the GX control the remote on/off of

the genset. You can find this option on the control panel in the menu `generator → autostart → turn on / off`.

If you're manually trying to start the genset, a toast message appears with the text `AutoStart functionality is currently disabled, enable it on the genset panel in order to start the genset from this menu.`



If the generator auto start/stop is enabled, it will show error `#1 Remote switch control disabled` on the Auto start/stop page.



From:
https://www.victronenergy.com/live/ - **Victron Energy**

Permanent link:
https://www.victronenergy.com/live/ccgx:fischer_panda?rev=1599474588

Last update: **2020-09-07 10:29**